

Appendix № 5 to the tender documentation

METHOD OF ENTRY POINT OF THE PRODUCT FOR USE 65S30

2 CONTENTS Introduction 3 General 4 General works on the deployment of the product 83t601 6 Key provisions of the organization which the product 83t601 into the system and conduct check the operation of the product in the product 83t601 65s30 9 Appendix № 1 № 2 14 Annex 15 Annex № 16 March

3 INTRODUCTION This technique determines the order of entry control point (CP) 65s30 product (product 83t601) to the existing product 65s30 and includes: general position; commissioning; Checklist items 83t601 when entered. This technique should be guided by all the organizations and the DoD industry - participants work on putting the product into operation 83t601.

4 1. GENERAL PROVISIONS 1.1. 83t601 product is a unique facility in sostaveizdeliya 65s30. The composition of the product 83t601 include: product 83t0119; Equipment T-240PD-M; device signal transduction GUPS-420-01 (modem). Block diagram and scheme of division 83t601 products listed in the annex number 1 and 2, respectively. 1.2. Installation Products 83t601 include: commissioning at the customer's premises; offline validation 83t601 function of the product - check the functioning of the product in 83t601 sostavefragmenta; input 83t601 products to existing product 65s30; check product 83t601 in the product 65s30; trial operation in the product 83t601 existing products 65s30 - supervision exercised by Federal State Unitary Enterprise "NIIAO" vprotsesse trial operation. This methodology (Section 3) is mainly determined by order entry products 83t601 and test if it is composed of fragments and in the product 65s30 as a whole. 1.3. To ensure that the product 83t601zablagovremenko established procedures should be established and razrabotanyCAT database products 83t601. Pre-commissioning at customer sites include installation of products and equipment 83t0119 transmission channels (deployment on facility with the product 83t0119 equipment T-240PD-M and GUPS-420-01). Customer at participation FSUE NIIAO "must be a scheme for wiring, 83t601 not less than two switching centers 65s30 products. 1.6. Channels equipped with equipment T-240PD-M, are used to connect to the switching center and podklyucheniyavynosnyh jobs (BPM) products 83t601 (if ihneposredstvennogo connection to the product 83t601). Kolichestvoorganizuemnyh lines of communication and channels napravleniyahopredelyaetsya wiring products 83t601 and can bytlyubym in within the channel capacity - 8 channels. 1.7. To place items on the site 83t601 Customer dlyadannogo facility to be developed set of design iproektnoy documentation (KD and PKD). CD for the product in 83t601razrabatyvaetsya accordance with the technical requirements for 5-current adjustment design documentation for the product 65s834, 65s820 and 65s965 65s30 products and adjustments (release) the design documentation to the control product 65s30, switching center and control point products 83t7 "approved 19.11.2003g. deputy commander of military unit 52686. In accordance with the requirements of the Federal State Unitary Enterprise "NIIAO" in the CD develops methodology for autonomous Test PU. Enter product 83t601 the product 65s30 carried out in two stages. In the first stage, the input products 83t601 part isolated from the product 65s30 fragment and check its operation as part of the fragment. For positive the audit results of the first stage is performed by entering the product into the product 83t601 65s30 and 65s30 check the functioning of the product as a whole with the product 83t601. The criterion for the proper functioning of the product is to perform 83t601 all the adjustments provided for the manual and software information exchange in the product 65s30 after entering into its composition products 83t601. Correct operation items 65s30 (fragment and products in general) after entering into its composition products 83t601 verified through the exchange of information between object-subscribers 65s30 products before and after adjustments for items 83t601. The audits are conducted by the Commission, appointed by the customer, in accordance with "Program testing products 65s30 after putting in a new version of the product 65s965 software level 05E.B0 in part verification of information exchange,

developed by the Defense Research Institute 27. Can be used another technique checks the need is determined by the ONS aircraft and the customer. Definition list volume of inspections and audits adaptation techniques to the composition of the fragment and conducted inspections carried out by the Commission in working order. List ongoing adjustments to the product 83t601 (Appendix № 3 to this method) determined by the Commission nakazhdom stage inspections conducted operational staff izdeliya83t601 in accordance with the instruction manual (prineobhodimosti used textbook "Poryadokprovedeniya adjustments"). 1.10. After complete verification of the performance sistemyofornlyayutsya relevant documents on which the product 83t601 vsistemu and setting him on trial operation.

6 2. MAIN WORK FOR THE DEPLOYMENT PRODUCTS 83T601 2.1. Adjustment (release) dokumentatsii2.1.1 design. Design documentation for control point product 65s30 performed in accordance with "Technical requirements on the adjustment of the existing design documentation for Product 65s834, 65s820 and 65s965 65s30 products and adjust the (output) design documentation to the control product 65s30, the switching center and a point management products 83t7 "approved 19.11.2003g. deputy commander army of 52,686. 2.2. Conduct a survey of object placement izdeliya83t601. 2.2.1. The survey objects are proektnoyorganizatsiye with participation of Federal State Unitary Enterprise NIIAO, fitter isluzhboy operation. 2.2.2. Admission to the object by the customer. 2.2.3. The survey used tehlicheskayadokumentatsiya the product 83t601. 2.2.4. Inspection of the object includes the following steps: identification of potential product placements 83t601, including power supply and jumper equipment, description and quantity types of communication channels (the joints), connected to the product 83t601, identifying opportunities network of primary power and the formation of proposals for the inclusion of points hardware products 83t601; conclusion on possible options for organizing and hardware installation service communication, the definition of necessary construction works on the ventilation system; decision on the purchase and delivery of the object necessary furniture and other property (such as PCs) to operate and service operational staff ware 83t601. 2.2.5. According to a survey by the Commission ACTC is lighting these issues. 2.3. Development of project Documentation 2.3.1. Based on survey results and the initial data FSUE NIIAO planning organization shall develop project documentation (PAO).

7 2.3.2. The originals of the project documentation is stored in the enterprise - developer. Changes in project documents produced in accordance with ESKD by issuing notices to the company - the developer. 2.4. Construction preparation and delivery of the premises under montazhborudovaniya Based VRM held (If necessary) construction work. The results of the executed act. 2.5. Assembly, installation, dock at the facilities, setting up and commissioning vekspluatatsiyu 2.5.1. Condition of readiness for the installation work naobekte are: the presence of the object on the stock of all technical means, the presence of design documentation, the acceptance certificate for the premises for installation; act execution of works on installation of protective and technological grounding, the presence of power, lighting and general ventilation. Installation work is performed specialized organization. 2.5.2. Phase I products 83t601-up vklyuchaetsleduyushchie work: checking the results of installation, the Product 83t601; check of completeness products 83t601 (including CD), holding independent tests 83t601 products in accordance with the methodology of autonomous Test Product 83t601; special investigations for compliance with The customer and the special requirements of data protection (PP-97); check 83t601 function of the product as part of an isolated fragment of the product 65s30 with the subsequent introduction of products 83t601 into operation, inspection products 83t601 in the Product 65s30; transmission products 83t601 service operation; clearance (close) formulary products 83t601. 2.5.3. Commissioning and handing the product 83t601 sluzhbeekspluatatsii Act formalized commissioning izdeliya83t601.

8 2.6. Training of personnel of the service manual for the training of personnel Maintenance Service Products 83t601-based bench of Chief Designer

organize retraining courses. Possible training of personnel services maintenance and operational staff ware 83t601 on-site permanent dislocation during the deployment and commissioning of products 83t601 the product 65s30.

9 3. KEY PROVISIONS OF THE ARTICLES 83T601 INPUT TO THE SYSTEM AND FOR VERIFICATION OF THE PRODUCT 83T601 in articles 65S30 3.1. For methodological support of the Commission on vvoduizdeliya 83t601 the product 65s30 used this product metodika.Eksploatatsiya 83t601 during checks осуществляется подготовленным personnel service manual sprivlecheniem if necessary specialists Federal State Unitary Enterprise "Institute of Aircraft Equipment." Checks functioning and operational management izdeliem65s30 conducted operational composition of the FSP products and 65s12 65s30i operational staff articles 12 and 65s with 83t11 participation spetsialistovFGUP "NIIAO. The operational structure of PCF products 65s12 and 65s30pri

Inspections uses manual eksploatatsiiizdeliya 83t601. 3.2. Key provisions of the organization of input and provedeniyaproverok functioning include the following: 3.2.1. In advance established procedures razrabatyvayutsyaCAT fragment 65s30 products, including CAT and base izdeliya83t601 data and corresponding arrays of CSA selected fragmentaizdeliya 65s1. Carried out organizational separation of the fragment existing products 65s30 and 65s1. By the CFB fragment connects product 83t601, check the efficiency of canals and channels of data (physical level connectivity tract PD product 83t601 absent in the system). Checking provided by a service in accordance with the guidance of the operator switching office products 83t0119 (UIAV. 10332-01 34 01 -1). It download CAT 65s30 fragment products, including product 83t601, and the corresponding arrays CSA ware 65s 1, setting the selection. In the SCC of isolated fragment Product 65s30 formed a list of IP CFB fragment and one of them is assigned main CP.

Comand' post Smith Cole

*— KP → CR —
subly as*

SCC = subly as

10 is a connection products 83t601 with corrective orders (CR) as the SCC to the fragment (CR ~~CFB~~ IP connection to the new SCC). At the same time 83t601 product will function in the system as a logically disconnected CFB. On CFB-PU (with the permission of / h 18 008) may be made at the conclusion CAT punched tape and printout for control adjustments. Verify the correctness functioning of the fragment through the exchange of messages between objects-subscribers fragment (for the test, a "testing program after the product 65s30 input into the product 65s965 new software level 05E.B0 in part verification of information exchange, developed in 1927 CRI MO in 2001). In the case of identify gaps functioning fragment caused by connecting 83t601 products, a decision on the procedure for further work. 3.2.7. When positive results proverki funktsionirovaniya fragment in the list of items controls for vsehTsKS fragment products 65s30 introduced product 83t601 (CR with CFB-PU). 3.2.8. CFB, Acting Chief of PU, issued Cro appointment Product 83t601 main CP. At CGS, vpolnyavshem funktsii Chief of PU, (with the permission of / h 18008) can proizvoditsyavvod CAT on punched tape and printout for kontrolyakorrektirovki. The product is 83t601 control vpolneniyakorrektirovki on monitor in accordance with relevant guidance operatoravzyvayutsya database table. 3.2.9. Verify the correct operation fragmentaputem messaging between objects-subscribers fragment (for test, a "test program product 65s30posle input into the product 65s965 new software obespecheniyaurovnya 05E.B0 in part inspection information exchange, developed in 1927 CRI MO in 2001). 3.2.10. Checked functioning properly izdeliya83t601 through various adjustments polucheniya spravok, mining queries, etc. Checklist presented vprilozhenii number 3. In accordance with the Programme Test izdeliya65s30 after putting in a new version of the product 65s965 programnogo obespecheniya level 05E.B0 in part of the verification informatsionnogo obmena "verified the correctness functioning fragmentaputem messaging between objects-subscribers Sucheta fragment carried adjustments. Control vpolneniyakorrektirovki carried out visually on the monitor posootvetstvuyuschim database tables Product 83t601, vzyvaemyvmv accordance with the guidance of the operator. When the need for

— subly as

11 one of the CFB (with the permission of / h 18 008) may be made at the conclusion CAT punched tape and

CFB + CCS = AKU - *Sublis*
Ants

printout for control adjustments. Held back corrections (the refund on the original CAT) and verify functioning of the fragment through the exchange of messages between objects-subscribers fragments and adjusted to adjustments in accordance with the Programme Test Product 65s30 after entering the product 65s965 new software ensure a level 05E.B0 regarding verification of information exchange. " Control corrections CAT is also carried out as described in Section 3.2.10. According to the results Audit decision about how to connect to the existing product 83t601 product 65s30. Annihilated by a list of control points in the CFB fragment (product 83t601 functions as a logically disconnected ASC). 3.2.14. Being restored workers CAT isootvetstvuyuschih arrays CSA products identified in fragment. Proizvoditsya adjustment CAT existing articles 65s30 dlyapodklyucheniya selection, recovered and disposed napravleniyasvyazi fragment. You are downloading zaraneepodgotovlennyh CAT and database product 83t601. 3.2.15. An adjustment CAT acting izdeliya65s30 connection Product 83t601 as ASC (CD CFB-Pune connection of the new ASC). This product is 83t601 budetfunktsionirovat in the system as a logically disconnected ASC. NaTsKS-PU (with authorization / h 18008) may be made a conclusion CAT naperfolentu and their listing for provide control corrections. 3.2.16. Checks pravilnostifunkcionirovaniya Product 65s30 full-structures spodklyuchennym as ASC product 83t601 ispolzovaniemurumyanutoy with earlier programs. In case of nedostatkovfunkcionirovaniya products 65s30 caused connection izdeliya83t601, 83t601 product is disconnected from the product 65s30 (CR-PU CFB naotklyuchenie new SCC). 3.2.17. Positive results proverkifunksionirovaniya articles in 65s30 list of control points dlyavseh CFB existing articles 65s30 introduce a product 83t601 (CR sTsKS-PU).

{3

CFB = hklas

ASC = AKU

CAT = kca

Sublis

P

02/03/18. CFB performing the functions of IP, given the CD onaznachenii products mainly 83t601

PU. At CCS, vpolnyavshemfunktсии PU (with the permission of / h 18 008) can be made vyvodCAT on punched tape and printout for kontrolyakorrektirovki. On Product 83t601 control vpolneniyakorrektirovki to monitor in accordance with leadership operatoravyzyvayutsya corresponding database table data. Checks the correct functioning of the product to 65s30 full-time structures of the product 83t601 as IP using previously mentioned programs. Ongoing validation 83t601 function of the product through various adjustments to the parts existing CCS (products 65s820, 65s834, 65s965) and upgraded ASC (type of product 83t602) receive certificates, mining queries, etc. Checklist submitted Appendix № 3. In accordance with the "Program testing products 65s30 after commissioning product 65s965 new software level 05E.B0 in part inspection Information sharing is checked the correct operation of the product 65s30 through the exchange of messages between objects subscribers and adjusted adjustments. Monitor the implementation of adjustment is carried out visually on the monitor the relevant database tables 83t601 product called in accordance with the guidance of the operator. If necessary, one of the CFB (with authorization / h 18008) may be made at the conclusion CAT punched tape and printout for ensure control adjustments. 02/03/21. When violations are discovered operation with izdeliya65s30 connected to it as the IP product 83t601provoditsya corrective order to return to suschestvuyuscheysheme Management - appointment of main CP CFB who performed raneefunktсии PU (CD with the product 83t601 the appointment of principal PU CFB, the functions of previous PU). Produced Off izdeliya83t601 and analyzes the situation, determined posleduyuschiedeystviya.

AKU
→ -83t602

13 3.3 Results of testing the functioning of product 83t601 as PU in of processed products 65s30 Act trials. 14

15

Pics

16 Annex № 3 Checklist functioning product 83t601 1. Checking perform corrections CAT: 1.1. Verified that the following types of korrektirovokCAT: connection (shutdown) subscriber products 65s30; connection

(Tripping), ICS, the connection (off) directions of communication (HC), the connection (Trip) communication channels (CC); lock (unlock) subscriber products 65s30; lock (unlock) CFB; lock (unlock) directions of communication (NA); change conventional units and subscribers and CFB product 65s30 - change conditional number of PU (correction list punktovupravleniya) change the principal PU, relocation sites, subscribers reassignment
Object-subscribers, the connection lists and lists of subscribers; off lists and subscribers from the lists, changing the characteristics
Object-subscribers; relocating facilities management, including reassignment without change of rank, reassignment with the change of rank and education facility management of dual subordination. 1.2. Holding each type of adjustments CAT vklyuchaetsleduyuschie steps: 1.2.1. Derivation of the initial CAT on punched tape

and prineobhodimosti their listing with the permission of / h 18008 nadeystvuyuschiy CFB.
Output

CAT source for the KMT to izdelii83t601. / Set in the RM product 83t601 text of corrective orders (CD). / Transfer of the CD to the SCC and ASC. / Getting at the RM product 83t601 evidence from the ASC in receiving the CD and their willingness to adjust CAT. / Getting reports on RM products 83t601 from ASC on the implementation of corrections. Output corrected CAT on punched tape, and if necessary they print with authorization / h 18008 at 17 of its CCS. Derivation of corrected CAT to the KMT in Product 83t601. Verifying the performance adjustment for listing on CFB operating or database tables 83t601 items on the screen (analysis the results of adjustments and exchange of information after corrections). 1.2.7. Holding back adjustments and kontrolvypolneniya corrections for CAT as well as in Section 1.2.6 (return naishodnye CAT). 1.2.8. Match of received checksums setalonnymi and lack of violations funkcionirovaniyaizdeliya 65s30 and exchange information with objects in the part kotoryhne made adjustments CAT (in this case etalonnymiavlyayutsya control the amount of the original CAT, proverkaosuschestvlyayetsya visually). Note: The items in the respect of which an adjustment will be chosen at the discretion of the commission and operational staff PCF products 65s12 and 65s30. The whole course of inspections recorded tools and products 83t601 ASC. After each adjustment checked correctness of bringing kodogramm to objects, parts of which no adjustment made, as well as the correctness of bringing kodogramm (after adjustments) in address objects, parts of which are carried out adjustments. 2. Check control 65s30 function of the product from the product 83t601: 2.1. , The following check: / a) implementing ASC requests for products 83t601 ydachusleduyuschiy data: / about the state of technology ASC; / state TPD; / state efficiency, the number of treated kodogramm; / about the VC mode (without checksum) / of operation VC and the values of the checksum on ASC, and b) the implementation of ASC Command PU to establishment or snyatieasinhronnogo mode of delivery of data; / the mode of VC, about NSD (operator) on nedovedenii teams, 18 of nedovedenii kodogramm (nekomandy) on kodogramm rejection. 2.2. Verifying the implementation listed in paragraph 2.1 a) Query 83t601 products made by visual inspection at the RM product 83t601 correspondence received from ASC data requested. 3. Reference Checking reporting and standard-issue documentation: 3.1. Check the collection, processing, storage and distribution

Data orabote ASC products and their technical equipment, channels and TPD zaukazanny period (day shift) shall prosmotromsistemnogo journal articles 83t601. 3.2. Verification of automated attendants rabocheydokumentatsii Operators Products 83t601 osuschestvlyayetsyaprosmotrom system logs on monitors working zonoperatorov products.